MANDY VIEN

(714) 393-8916 | mandyvien97@gmail.com | Los Angeles, CA
www.linkedin.com/in/mandy-vien

EDUCATION

University of California, Los Angeles, CA June 2025
BS, Major in Statistics and Data Science, Minor in Digital Humanities
GPA: 3.89

Break Through Tech at Cornell Tech, Los Angeles, CA May 2024 – August 2024
Certificate in Machine Learning Foundations (eCornell)

Relevant Courses: Calculus, Linear Algebra, Statistics, Exploratory Data Analysis, Dataset Building, Training Regression Models, Natural Language Modeling

SKILLS

- **Coding Languages**: Python, R
- **Tools**: Jupyter, Numpy, Pandas, Matplotlib, Seaborn, TensorFlow, Keras, Tableau

LEADERSHIP EXPERIENCE

Break Through Tech May 2024 – Present
Fellow

- Selected from 3000+ applicants for the Break Through Tech AI Program.
- Engaged in a 12-month long program, including Machine Learning coursework with Cornell faculty, experiential learning experiences and mentorship from industry professionals.

PROFESSIONAL EXPERIENCE

The Root Remedy August 2024 – December 2024
AI Studio Fellow

- Developing a health-focused chatbot using AWS SageMaker and BERT models to provide personalized gut health recommendations, dietary advice, and supplement guidance, achieving a 90% accuracy rate in response relevance through automated performance metrics.
- Implementing sentiment analysis to understand user health concerns and dietary preferences, aiming in a 40% increase in user engagement with personalized nutrition and supplement recommendations, measured by interaction frequency and duration over 3 months.

California State University, Fullerton, CA – Project RAISE June 2023 - August 2023
Undergraduate Research Experience Participant

- Analyzed 1000 VR sessions using Python (pandas, NumPy, scikit-learn), examining correlations between user characteristics, headset types, session duration, and immersion levels.
- Created visualizations using matplotlib, seaborn, and plotly, illustrating session durations (5-60 minutes) and motion sickness ratings (1-10 scale, higher values indicating more sickness).
- Developed machine learning models (Logistic Regression, K-Nearest Neighbors, Random Forest) to predict immersion levels, with Random Forest outperforming others by 5-10% in accuracy.

PROJECT

Paris 2024 Olympic Medal Prediction July 2024
GitHub link: https://github.com/ManVien/Codedex-Summer-Hackathon-2024.git

- Developed a machine learning model predicting 2024 Paris Olympics medal count (R-squared: 0.954, explaining 95.4% of variance); awarded Codédex Summer Hackathon 2024 Hacker Badge.
- Technologies utilized: Python, pandas, NumPy, scikit-learn, matplotlib, seaborn.